

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(19) World Intellectual Property Organization
International Bureau**



A standard 1D barcode is located at the bottom of the page, spanning most of the width. It is used for document tracking and identification.

**(43) International Publication Date
9 November 2006 (09.11.2006)**

PCT

(10) International Publication Number
WO 2006/118310 A1

(51) International Patent Classification:
G06F 17/30 (2006.01)

(81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YI, ZA, ZM, ZW.

(21) International Application Number:

PCT/JP2006/309185

(22) International Filing Date: 26 April 2006 (26.04.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) **Priority Data:** 2005-130209 27 April 2005 (27.04.2005) JP

(71) Applicant (for all designated States except US):
KABUSHIKI KAISHA TOSHIBA [JP/JP]; 1-1, Shibaura
1-chome, Minato-ku, Tokyo, 1058001 (JP).

(72) Inventor; and

(75) **Inventor/Applicant (for US only):** WANG, Lan [CN/JP];
c/o Intellectual Property Division, Toshiba Corporation,
1-1, Shibaura 1-chome, Minato-ku, Tokyo, 1058001 (JP).

(74) Agent: SAKAI, Hiroaki; Sakai International Patent Office, Kasumigaseki Building, 2-5, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo, 1006019 (JP).

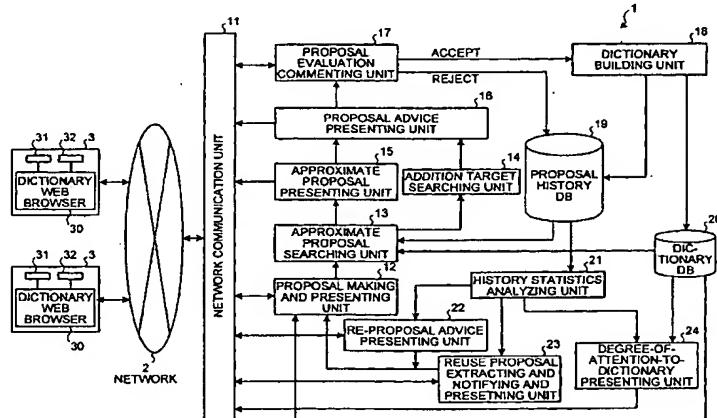
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CLASSIFICATION DICTIONARY UPDATING APPARATUS, COMPUTER PROGRAM PRODUCT THEREFOR AND METHOD OF UPDATING CLASSIFICATION DICTIONARY



(57) Abstract: A classification dictionary updating apparatus includes an update proposal receiving unit that receives a proposal for updating a hierarchical classification dictionary which has a hierarchical structure which includes a class that defines the hierarchical structure, a property that defines a hierarchical class structure, and an attribute that is a detailed information field of the class and the property, and in which a sub classification class inherits a property of an upper classification class; a proposal history storing unit that stores the past received proposal; an approximate proposal extracting unit that extracts the past received proposal stored by the proposal history storing unit approximate to the latest received proposal; and an approximate proposal presenting unit that presents the extracted proposal.

WO 2006/118310 A1